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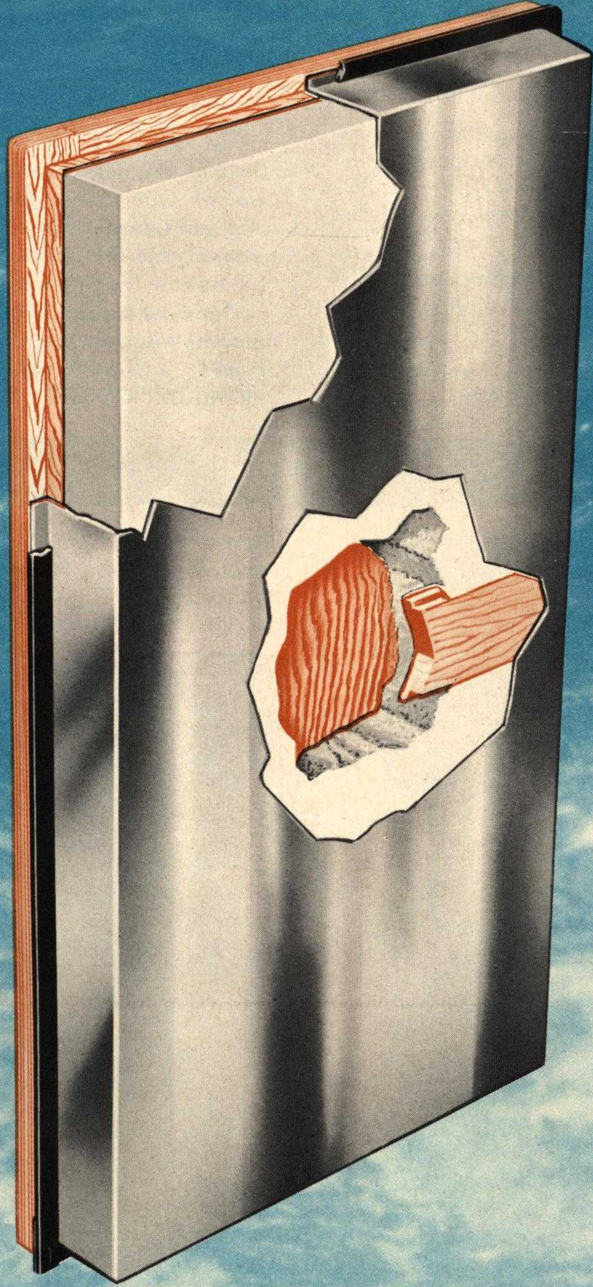


UP TO
50%
LESS
WEIGHT

"FOAM-LITE"®

Lightweight DOORS

"Butcher Boy"
QUALITY SINCE 1885

NEW *Lightweight* FOAM-LITE DOORS

BUTCHER BOY LIGHTWEIGHT "FOAM-LITE" Doors are another important addition to the already impressive list of door classifications which are being manufactured for the ever growing needs of the refrigerator industry.

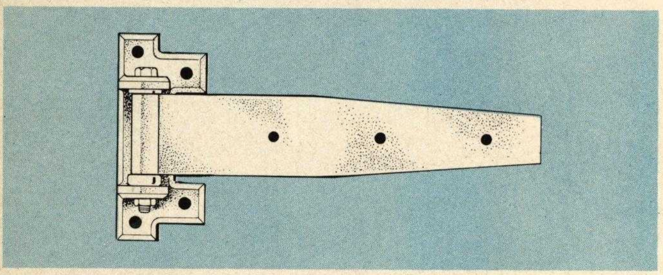
The LIGHTWEIGHT "FOAM-LITE" Door, as the name implies, explores the limits of lightweight door construction without the sacrifice of quality, workmanship, the insulating requirement or overall functional performance, **all this at no extra premium costs.**

We recommend their general use in meat packing plants, chain stores, food marts, or for any installation where the use of lightweight doors are feasible.

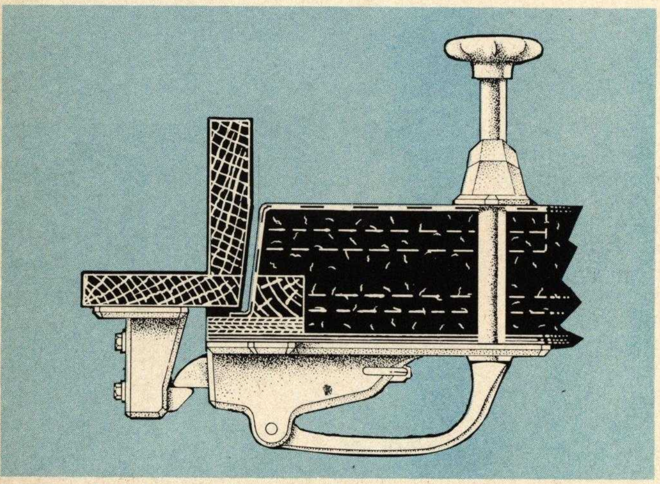
LIGHTWEIGHT "FOAM-LITE" Doors, when furnished with optional metal coverings of stainless steel, aluminum or galvanized steel, are also strongly recommended for use in hospitals, institutions and restaurants. In addition to the features of lightweight performance in opening and closing operations, stress is placed on **sanitation, cleanliness** and **outstanding appearance.**

Butcher Boy engineers have experimented with lightweight type doors for the several years past, taking into consideration the problems which have been confronted in the field. We confidently feel that we have now engineered a lightweight door which will perform with utmost efficiency, withstand the abuse of rugged normal use, manufactured in **all sizes and types without restrictions,** and at NO EXTRA PREMIUM COSTS.

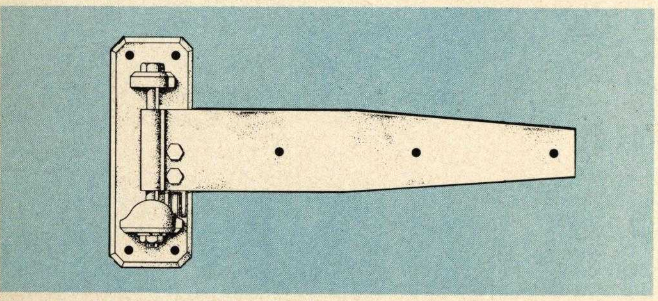
COOLER APPLICATION



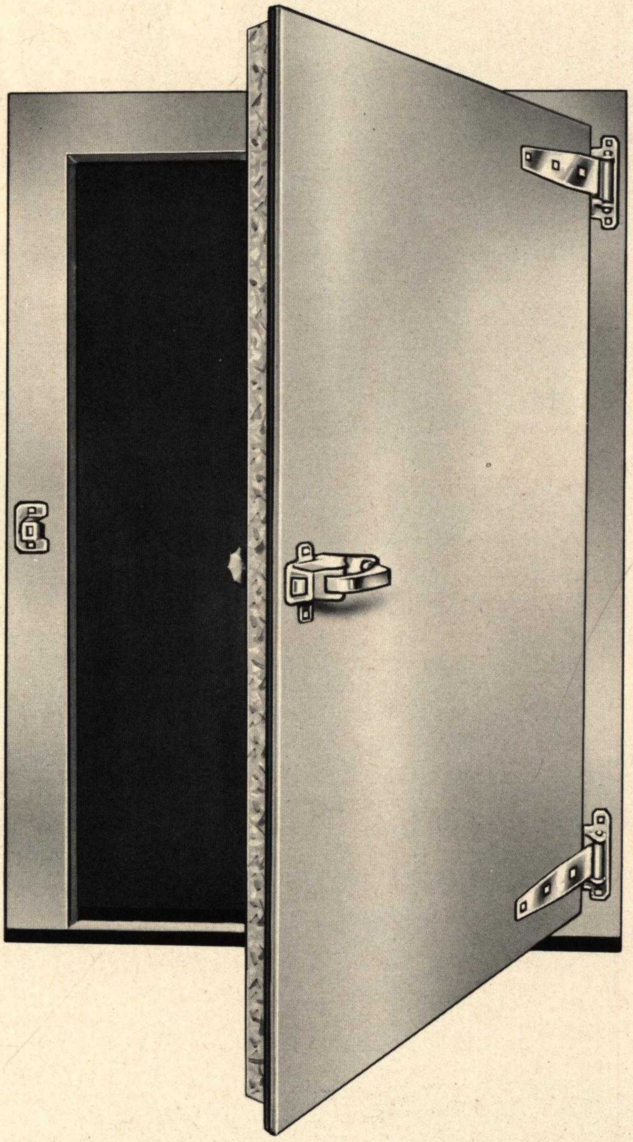
Butcher Boy No. 10 Ball Bearing Strap Type Hinge, galvanized finish.



Butcher Boy "wedge type" Fastener, galvanized finish.



Butcher Boy No. CLH-58 Cam-Lift hinge, available at extra cost. This cam-lift hinge raises the door automatically when opening, is self closing due to gravity action. Recommended for installation where irregular floors exist at door openings. Available in galvanized finish only.



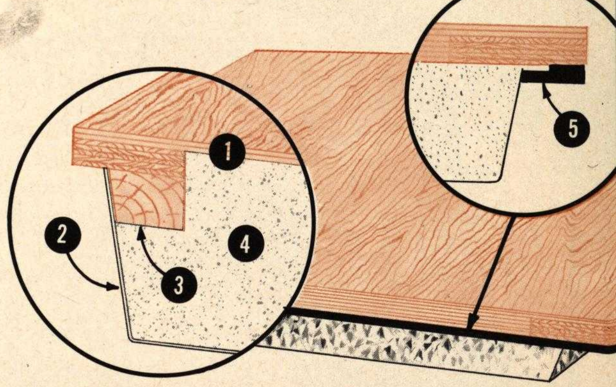
EXTERIOR METAL APPLICATION (Optional Extra)

Cooler Doors, insulated with optional thicknesses of Polystyrene insulation (customer's option). Recommended for use with rooms maintaining 60° F to 30° F temperatures.

Cooler Doors are available also in standard track, vestibule, or track vestibule types. See back cover.

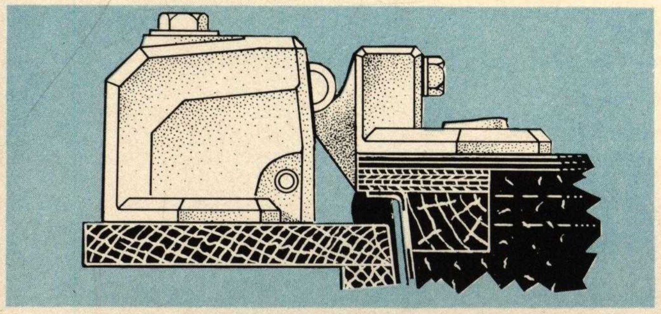
FOAM-LITE DOOR CONSTRUCTION

1. **EXTERIOR DOOR PANEL** is ¼″ plastic bonded marine type fir plywood glued to ⅝″ supporting plywood stripping, applied to entire periphery of door.
2. **INTERIOR PAN TYPE CONSTRUCTION** on back and edges of the door. Standard construction of No. 20 gauge galvanized steel with return flanges to back of face panel. (Optional in stainless steel or aluminum at extra cost). Return flanges serve dual purposes, acting as a means of securing metal into back of face panel, also as a base for "seal" gasket.
3. **FRAME STRUCTURE OF DOOR** is 1-13/32″ x 2″, 3″, 4″ or 6″ (dependent upon door thickness) solid upper grade clear Douglas Fir for maximum rigidity in application of interior steel panel.
4. **PRIMARY INSULATION** is 2″, 3″, 4″ or 6″ of "foamed in place" Polystyrene type insulation, of lighter density for cooler doors, of heavier density for freezer door applications.
5. **GASKETS** — The "seal" gaskets applied to the doors are ½″ x 1¼″ freeze proof closed cellular rubber, made of extremely soft resilient material (nitrogen filled cell composition banded together by strong live rubber). A moulded removable type "sill" gasket (1/16″ thick x 1¾″ wide) is applied to the bottom of the door.

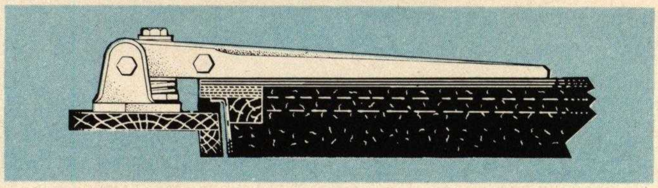


FREEZER APPLICATION

Butcher Boy No. 51 Automatic Electric Defrosters, thermostatically controlled, applied to frame casings and or sill areas, where door gaskets make their contacts. Their application prevents condensation forming upon the gaskets, thereby preventing freezing conditions at the door openings.

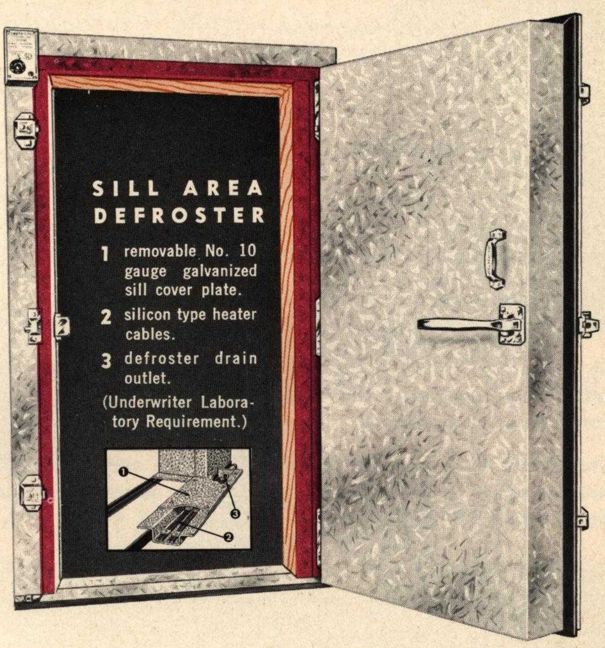


Butcher Boy Model "B" two point contact Super-Seal Fasteners, galvanized finish.



Butcher Boy No. 47 or No. 53 (application dependent upon door width) shock absorbing, adjustable spring type hinges, in galvanized finish.

FIRST AND ONLY UNDERWRITERS LABORATORY APPROVED


SILL AREA DEFROSTER
1 removable No. 10 gauge galvanized sill cover plate.
2 silicon type heater cables.
3 defroster drain outlet.
(Underwriter Laboratory Requirement.)
1
2
3

FREEZER DOOR (GALVANIZED METAL CLAD)

Freezer Doors, insulated with optional thicknesses of Polystyrene insulation (customer's option). Recommended for use in rooms maintaining below freezing temperatures, such as 30° F to 15° F below zero.

Freezer Doors are available in standard track, vestibule, or track vestibule types. See back cover.

FEATURES OF THE *Lightweight* "FOAM-LITE DOOR"

• PRACTICAL • MAINTENANCE OF STRENGTH • RIGIDITY •

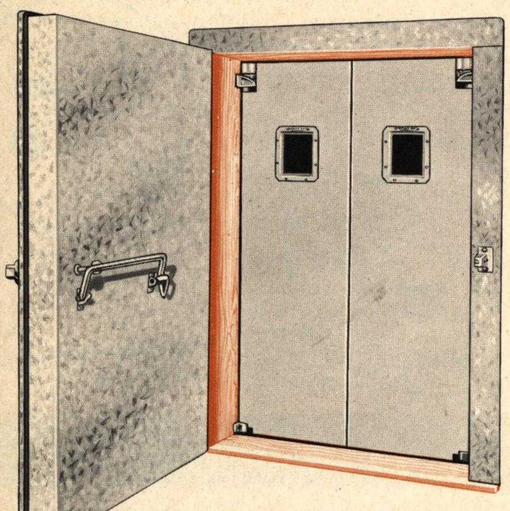
A. Poured-in (foamed type) insulation acts and is an adhesive which "bonds" the insulation to the back metal pan as well as to the face plywood. These "bonds", which foamed insulation makes possible, add the extra strength and rigidity to the lighter thickness of the face plywood as well as to the metal pan back (available in No. 20 gauge metals, galvanized - stainless - aluminum).

B. Poured-in (foamed type) insulation sets up as a solid mass over the entire area of the door structure including all corners, leaving no voids whatsoever. The very nature of the poured-in-type insulation eliminates the necessity of excessive internal bracing of any type since it forms a solid immovable mass, also permits maximum insulation fill within the door.

C. Frames used with lightweight doors are of the same exact standards as the frames furnished with other standard types of Butcher Boy refrigerator doors, because

1. The frame is, under all circumstances, the static part of the door. It does not move, hence the weight factor is not important.
2. After installation, the door frame becomes a part of the wall, and it has been a proven theory that a standard rugged frame will add to the rigidity of the installation.
3. Installation procedures are standardized. Hence no extra details or instructions to follow, no special space requirements, and no extra supervision.
4. Extra savings in buck opening provisions. Since the lightweight "FOAM-LITE" door weighs approximately 50% less than the conventional standard refrigerator door, 3″ x 6″ wood buck supports may be safely used.

NEW AUTO-PLY *Lightweight* VESTIBULE DOORS



STAINLESS STEEL BACK PAN
(OPTIONAL EXTRA)

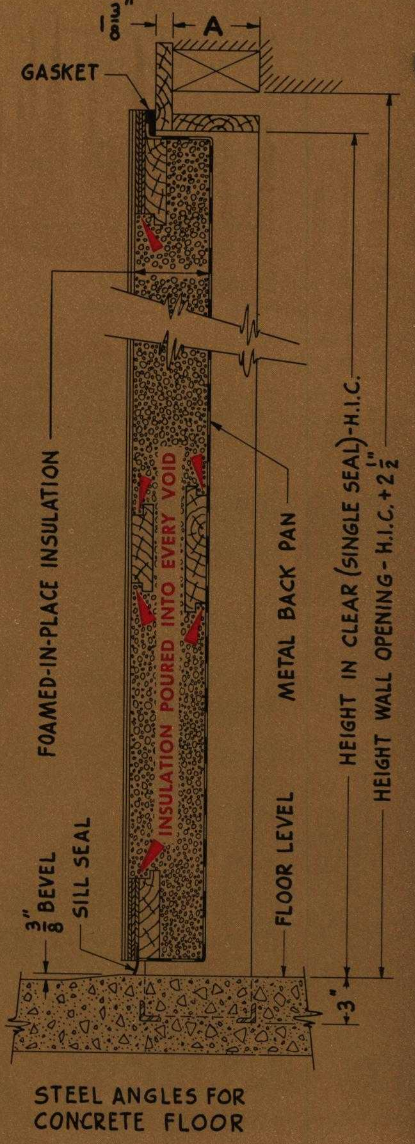
This new lightweight vestibule consists of the lightweight FOAM-LITE insulated door hung into the same common frame with our AUTO-PLY double swinging auto close doors.

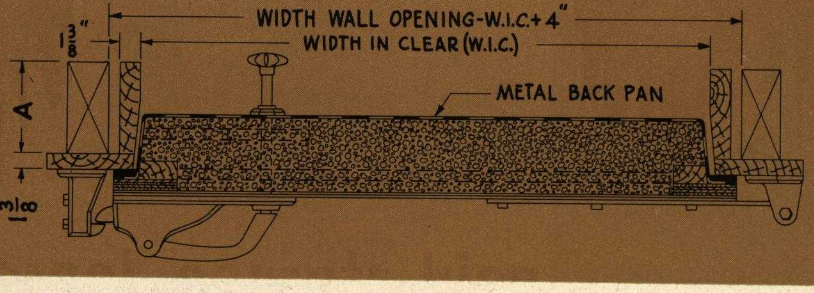
The new development of this vestibule unit is the result of a special demand by many chain and retail stores who are usually confronted with the problem of leaving the insulated door in an open position during the major portion of the business day.

AUTO-PLY double swinging auto close doors are approximately 45% lighter in weight than the conventional standard auto close doors, and have been especially designed for use by personnel going in and out of the openings. **Caution:** The AUTO-PLY double swinging auto close doors are not recommended for fork-lift truck operations.

CONSTRUCTION FEATURES

1. The inner cores of the auto close doors are made of two (2) pieces of ½″ plywood, rabbetted for acceptance of three (3) inside steel mounting ribs which are welded to the rods actuating the hardware mechanisms.
2. Special type reinforced No. 20 gauge aluminum sheets are used to encase the plywood cores, adding to the appearance and utility.
3. In assembly, ¼″ truss head rivets are used, the rivets extending through the aluminum coverings, the plywood cores, and the rib sections. This assembly forms a well designed, strong structure.
4. Standard, time proven Butcher Boy V-6 self closing gravity cam mechanisms are installed to the auto close doors to assure free and easy operations of the doors. NO SPRINGS.


1⅜″
A
GASKET
FOAMED-IN-PLACE INSULATION
INSULATION POURED INTO EVERY VOID
METAL BACK PAN
HEIGHT IN CLEAR (SINGLE SEAL)-H.I.C.
HEIGHT WALL OPENING-H.I.C.+2½″
⅜″ BEVEL
SILL SEAL
FLOOR LEVEL
3″
STEEL ANGLES FOR
CONCRETE FLOOR



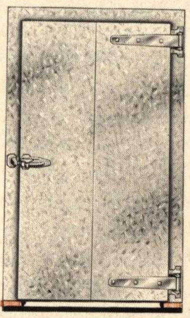
"A"	3-5/8"	2"	INSULATED DOOR
"A"	4-5/8"	3"	INSULATED DOOR
"A"	5-5/8"	4"	INSULATED DOOR
"A"	7-5/8"	6"	INSULATED DOOR
"A"	11-½"	4"	VESTIBULE DOOR
"A"	13-½"	6"	VESTIBULE DOOR
"A"	SPECIAL JAMBS TO MATCH EXISTING WALLS (TO SPECIAL ORDER)		

STANDARD AND OPTIONAL METAL CLAD APPLICATION

STANDARD APPLICATION

ARCHITECTS AND USERS NEED ONLY TO SPECIFY

"Lightweight Doors shall be Butcher Boy "FOAM-LITE" Doors as manufactured by Butcher Boy Refrigerator Door Company of Harvard, Illinois."



GALVANIZED METAL CLAD (Optional Extra)

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